

PHILIP MORRIS USA
RESEARCH AND DEVELOPMENT DEPARTMENT

MEXICO TEST #31

MR4-06JW
MR6-06JW

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MEXICO TEST #31

The following cigarette brands from Mexico (Guadalajara) were received at R & D and submitted for analyses on April 26, 1976. These cigarettes were of February, 1976 production.

Marlboro Long Size 20's (Box) Marlboro King Size 20's (Soft Pack)

The current sample of Marlboro long size cigarettes was not different from the previous average in any of the parameters tested.

The current sample of Marlboro king size cigarettes was not different from the previous average in any of the parameters tested. The paper porosity varied between 19 to 65 seconds; however, the average was not different from the previous data.

	Marlboro Long Size 20's (Box)			Marlboro King Size 20's (Soft Pack)		
	Current	Prev. Avg.	U.S. ²	Current	Prev. Avg.	U.S. ²
Smoke						
Butt Length, mm	27	27	26	27	27	28
FTC Tar, mg/cigt.	21.3	20.3	17.4	21.4	20.4	17.4
TPN, mg/cigt.	26.7	25.2	21.9	27.0	25.4	21.9
Nicotine, mg/cigt.	1.38	1.25	1.05	1.38	1.28	1.09
Water, mg/cigt.	4.0	3.6	3.4	4.2	3.7	3.4
Puffs/cigt.	9.4	10.0	8.2	10.2	10.3	8.7
Filtration Eff., %	42	41	47	42	42	47
Cigarette						
Total RTD, in. of H ₂ O	3.0	4.3	4.5	4.9	4.5	4.8
mm of H ₂ O	102	109	114	124	114	125
Static Burn. Time, min.	8.8	9.0	7.7	9.2	8.9	7.6
Length, mm	79.0	79.4	79.6	83.5	83.6	84.5
Circumference, mm	25.0	25.0	24.9	25.0	25.0	25.0
Diameter, mm	8.0	8.0	7.9	8.0	8.0	8.0
Paper						
Porosity, sec.	24	24 ³	21	34	35 ³	30
Porosity, sec. - Range	-	-	-	19-65	-	-
Filter						
RTD, in. of H ₂ O	1.9	2.0	2.8	2.0	2.0	2.9
mm of H ₂ O	48	51	71	51	51	74
Length, mm	20.0	20.0	19.0	20.0	20.0	20.9
Weight, g	0.13	0.13	0.14	0.13	0.13	0.15
Tipping paper length, mm	24	24	23	24	24	25
Filler						
Total alkaloids, %	1.50	1.43	1.47	1.48	1.44	1.48
Total reducing sugars, %	7.8	9.4	6.7	7.8	8.0	6.6
Wt. of tob., 1,000 cigts., g	83	828	730	884	858	760
1,000 cigts., lbs.	1.7142	1.8258	1.6076	1.9464	1.8892	1.6736
Rod Density, g/cc	0.269	0.277	0.245	0.280	0.272	0.246
C.V., cc/10 g	35	32	36	35	32	35
C.V., cc/10 g (Corrected to 12% O.V.)	36	35	41	36	35	40
Oven Volatiles, %	13.0	13.1	13.6	13.1	13.1	13.7

¹Equilibrated at 75°F and 60% R.H. for 48 hrs.

²Data from C.I. No. 4-76.

³Results of Test #30, dated April 7, 1976, where a change was noted.

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